

09/19/00  
Jc927 U.S. PTO

9-21-00

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Express Mail No.: EK916750871US  
Docket No.: 789CIP2C

Jc813 U.S. PTO  
09/665363  
09/19/00

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
PATENT APPLICATION TRANSMITTAL UNDER 37 CFR 1.53**

**BOX PATENT APPLICATION**  
**Assistant Commissioner for Patents**  
**Washington, D.C. 20231**

Sir:

Transmitted herewith for filing is the patent application of

Inventor(s): Y. Tom Tang, Chenghua Liu, Ping Zhou, Vinod Asundi, Feiyan Ren, Qing A. Zhao, Jie Zhang, Jian-Rui Wang, Tom Wehrman, Radoje T. Drmanac

Title: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES

**1. Type of application**

- ☒ This is a new application for a
- ☒ Utility patent.
- ☐ Design patent.
- ☒ This is a continuation-in-part application of prior application no. 09/574,454 filed May 19, 2000, Attorney Docket No. 789CIP, which is a continuation-in-part application of prior application no. 09/519,705 filed March 07, 2000, Attorney Docket No. 789.

**2. Application Papers Enclosed**

|     |  |                                 |                                   |
|-----|--|---------------------------------|-----------------------------------|
| 1   | Title Page   |                                 |                                   |
| 113 | Pages of Specification (excluding Claims, Abstract, Drawings & Sequence Listing) |                                 |                                   |
| 4   | Page(s) of Claims  |                                 |                                   |
| 1   | Page(s) of Abstract  |                                 |                                   |
| 0   | Sheet(s) of Drawings (Figs. X-X)   | <input type="checkbox"/> Formal | <input type="checkbox"/> Informal |
| 102 | Page(s) of Sequence Listing  |                                 |                                   |

**CERTIFICATION UNDER 37 CFR 1.10**

I hereby certify that this Patent Application Transmittal and the documents referred to as enclosed therewith are being deposited with the United States Postal Service on **September 19, 2000**, in an envelope addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231 utilizing the "Express Mail Post Office to Addressee" service of the United States Postal Service under Mailing Label No. **EK916750871US**

  
Leslie A. Moji

**3. Oath or Declaration**

- ☐ Enclosed
  - ☐ Executed by (check all applicable boxes)
    - ☐ Inventor(s)
    - ☐ Legal representative of inventors(s) (37 CFR 1.42 or 1.43)
    - ☐ Joint inventor or person showing a proprietary interest on behalf of inventor who refused to sign or cannot be reached
  - ☐ The petition required by 37 CFR 1.47 and the statement required by 37 CFR 1.47 are enclosed. See Item 5D below for fee.
- ☒ Unexecuted – the undersigned attorney or agent is authorized to file this application on behalf of the applicant(s). An executed declaration will follow.

**4. Additional Papers Enclosed**

- ☐ Preliminary Amendment
- ☐ Information Disclosure Statement
- ☐ Declaration of Biological Deposit
- ☒ Computer readable copy of sequence listing containing nucleotide and/or amino acid sequence
- ☒ Statement Under 37 CFR § 1.821
- ☒ Paper copy of sequence listing identical to computer copy (102 pages)
- ☐ Microfiche computer program
- ☒ Verified statement claiming small entity status under 37 CFR 1.9 and 1.27
- ☐ Associate Power of Attorney
- ☐ Verified translation of a non-English patent application
- ☒ Return receipt postcard
- ☐ Other \_\_\_\_\_

**5. Priority Applications Under 35 USC 119**

Certified copies of applications from which priority under 35 USC 119 is claimed are listed below and

- ☐ are attached.
- ☐ will follow.

6. **Filing Fee Calculation (37 CFR 1.16)**

A. ☒ **Utility Application**

| CLAIMS AS FILED – INCLUDING PRELIMINARY AMENDMENT (IF ANY)                         |           |           |              |          |                           |          |
|--|-----------|-----------|--------------|----------|---------------------------|----------|
|  |           |           | SMALL ENTITY |          | OTHER THAN A SMALL ENTITY |          |
|  | NO. FILED | NO. EXTRA | RATE         | FEE      | RATE                      | FEE      |
| BASIC FEE  |           |           |              | \$345.00 |                           | \$690.00 |
| TOTAL  | 30-20     | = 10      | X 9 =        | \$90.00  | X 18 =                    | \$0.00   |
| INDEP.   | 3-3       | = 0       | X 39 =       | \$0.00   | X 78 =                    | \$0.00   |
| <input checked="" type="checkbox"/> First Presentation of Multiple Dependent Claim |           |           | + 130 =      | \$130.00 | + 260 =                   | \$0.00   |
| FILING FEE:  |           |           |              | \$565.00 | OR                        | \$0.00   |

B. ☐ **Design Application (\$155.00/\$310.00)** Filing Fee: \$ \_\_\_\_\_

C. ☐ **Plant Application (\$240.00/\$480.00)** Filing Fee: \$ \_\_\_\_\_

D. **Other fees**

☐ Recording Assignment [Fee -- \$40.00 per assignment] \$ \_\_\_\_\_

☐ Other \$ \_\_\_\_\_

**TOTAL FEES \$ 565.00**

7. **Method of Payments of Fees**

- ☐ Enclosed check
- ☒ Charge Deposit Account No. 501169. A duplicate copy of this transmittal is enclosed
- ☐ Not enclosed

8. **Deposit Account and Refund Authorization**

The Commissioner is hereby authorized to charge payment of any additional fees due or credit any overpayment to Deposit Account No. 501169. A duplicate copy of this transmittal is enclosed.

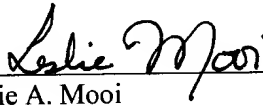
Please refund any overpayment to Hyseq, Inc. at the address below.

Please direct all future correspondence to Leslie A. Mooi at the address below.

Respectfully submitted,

Date: September 19, 2000

By:

  
\_\_\_\_\_  
Leslie A. Mooi  
Attorney for Applicants  
Registration No.: 37,047  
HYSEQ, INC.  
670 Almanor Avenue  
Sunnyvale, CA 94085  
(408) 524-8100  
(408) 524-8145 (Telefacsimile)

PATENT APPLICATION SERIAL NO. \_\_\_\_\_

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE  
FEE RECORD SHEET

10/02/2000 NVILLARI 00000015 501169 09665363

|           |           |
|-----------|-----------|
| 01 FC:201 | 345.00 CH |
| 02 FC:203 | 90.00 CH  |
| 03 FC:204 | 130.00 CH |

PTO-1556  
(5/87)